

FROM I. B. S.

IBS NEWSLETTER

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Station Manager	
Program	
Engineering	
Business	
Sales	
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Published for its affiliated stations by Intercollegiate Broadcasting System, Inc. Address contributions to the editor, William Malone, 1923 G Street N.W., Washington 6, D.C. Published at Miami University, Oxford, Ohio.

#58/59-1

September 20, 1958

Majority of College Stations Show FM Interest

More than fifty per cent of the college stations replying to a recent I.B.S. questionnaire expressed interest in an I.B.S. proposal for FM broadcasting. This response to the questionnaire addressed to a sample group of forty-nine college stations encouraged FM Chairman Charles Quigley to ask for a test case.

Quigley proposed a new class of FM license by the F.C.C. Although allowing commercial operation, its requirements would be a compromise between stringent commercial requirements and the lesser requirements of non-commercial educational operation. Transmitter power would be limited to ten watts.

In the questionnaire distributed last spring, Quigley stated that the plan was "designed to provide limited radiation, commercial broadcasting for increased coverage to college audiences, without incurring the additional responsibilities of regular Commercial FM. ...Suitable technical and programming requirements have been included in addition to those now applying to Educational FM to insure that the resulting broadcasting quality is on a par with existing Commercial FM service."

The respondents thought, 26-3, that low power commercial FM would be of interest to the college station and the college community it served; sixteen thought "low power Commercial FM operation would be of interest to their station should it become available."

Typical comments ran:

This type of service would allow vastly improved service to the community.

This would be an answer to our efforts to serve those students not living in the dormitories to which we are presently limited.

FOR STATION EXECUTIVES

In our carrier current operation we use satellite transmitters with rented telephone lines carrying our audio signal to these transmitters. If we had an FM transmission system we could replace our rented lines with FM receivers at a great saving, using AM carrier current to serve student dormitories which would not have many FM radios.

Last year, (this station) presented a proposal to our student government and administration requesting permission and financial support for a Non Commercial Educational FM station to supplement the present carrier current system. This proposal was turned down merely because no income could be derived from it. If your proposals to the FCC (which are excellent) are pressed, I'm sure that (the station) will get FM.

In response to the expressed interest, Chairman Quigley stated that his group hopes to go to the Commission in the near future to propose creation of this form of operation. A question has arisen as to whether a speedy and favorable consideration of the proposal will most likely result from submission in the form of a Proposal for Rule-Making or from submission in the form of an individual application for license with request for waiver of the Rules. "As the latter method presently appears the better of the two, we seek indications from any group interested in submitting such an application within this school year," Quigley said.

His group, he said, would be in a good position to help in the preparation of the application prior to formal filing with the Commission. "First, we have already established a working relationship with the Commission... Second, application to the Commission...will require careful planning and documentation which we can provide."

Groups interested in utilizing the services of I.B.S. in this regard may contact Charles E. Quigley, I.B.S. FM Study Group, 7003 Hillcrest Place, Chevy Chase 15, Maryland.

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Commission Acts on College Radio Pleas

The F.C.C. before adjournment granted application for construction permit for an FM station by the Yale Broadcasting Co., Inc. (See #57-58-3.) Grant specifies 103.1 mcs. and 305 watts. Estimated construction cost is \$3,886; first year operating cost \$13,250; revenue \$14,150.

WVBR-FM, Ithaca, New York, was granted modification of construction permit to specify 93.5 mcs. Change was reportedly due to interference with a nearby Rural Radio Network station.

KSPC (FM) was granted a construction permit to change frequency of its non-commercial educational FM station at Claremont, California, to 88.9 mcs. and increase power.

Storrs Convention Elects Borst President

At a Board of Directors meeting in Storrs, Connecticut, July 19 and 20, David W. Borst was elected without opposition to the Presidency of the Intercollegiate Broadcasting System. Elected Secretary was Herbert B. Barlow, Jr.; Richard H. Crompton was named Treasurer.

Retiring Secretary James R. Wylie reported the unanimous election of the following Department heads:

Business Department	Richard H. Crompton
Engineering Department	Allen I. Perlin
Member Services Department	David W. Borst
Operations Department	James R. Wylie
Program Department	Francis J. Heyden, S.J.
Publicity Department	Walter Hofer
Public Relations Department	Stephen C. Hathaway
Regions Department	Joseph D. Coons
Sales Department	Richard E. Pittenger

There were seventeen votes for the Nominating Committee's slate of candidates for the Board of Directors:

George Abraham, Herbert B. Barlow, Jr., David W. Borst, Joseph D. Coons, Richard H. Crompton, Allen I. Perlin, and James R. Wylie.

The slate was elected.

A subject of heated discussion was the right of member stations to designate a national representative other than that appointed by I.B.S. Heretofore, the I.B.S. Business Code has required that member stations be exclusively represented nationally by the I.B.S. representative.

The Board passed a resolution adopting the policy that member stations desiring to designate a representative other than the one appointed by I.B.S. would in general be given permission to do so effective June 15 of any given year provided the application for this variance from the Business Code was filed with the Board by May 1. This resolution enables as well stations wishing to join I.B.S., but already represented by other reps, to join--with the understanding that they might continue to use that rep as long as it was the policy of the Board to permit I.B.S. stations to use a representative other than the one appointed by the System.

In light of Allen Perlin's resignation as Engineering Manager effective September 1, the Board appointed William Malone to succeed Perlin on that date.

A brief financial report indicated that income during the 1957-58 fiscal year did not defray expenses. This was due, in part, to the late date on which dues invoices were submitted to the member stations.

REGION AND STATION NEWS

New England Region Elects: In light voting, member stations of the New England Region elected Carrington Greendige 1958-59 Regional Director. Mr. Greendige, "Caddy" to Harvard Network members, has done a great deal of traveling around the East on sports remotes. He is a former Controls Director at WHRB-AM-FM and has done work in the programming department, as well. He was employed this past summer at Bell Labs.

WCVF Offers Atom Program: Dick Lutz, General Manager of WCVF, the campus voice of the State University of New York at Fredonia, offers a one-hour current affairs program on exchange. Entitled, "Radiation, and How it Affects You," it is an address by Dr. Ralph E. Lapp, director of the Nuclear Science Service. The program is single-track recorded at 7½ ips.

Professor Lloyd R. Kaiser placed five WCVF staff members with New York stations for summer employment.

WCVF recently extended its Capitol Records subscription to include the classical series. The station had been receiving the popular service for a year previously. Further information can be obtained through Mr. Ed Yelin, Capitol Records Distributing Corp., Buffalo, N. Y. Mention WCVF.

WKCR Affiliates with Ivy: WKCR, Kings Crown Radio, Columbia University, recently won affiliate status with the Ivy Network. Station's elaborate pitch to Ivy included this description of its operations:

The one-studio operations of 1941 have grown into three studios and a master control room, complete with tape recording facilities in our own building. In its sixteenth season of successful campus broadcasting, WKCR opened its new extension, WKCR-FM, bringing educational radio to a new and larger audience of millions. This year, a new transmitter began operating in Johnson Hall, adding a thousand more listeners to our campus broadcasts. And, a new student center, now under construction, will expand WKCR's facilities to five modern studios plus 800-seat auditorium.

WKCR broadcasts on weekdays from 4 pm to 1 am, Saturday from 6 pm to 1 am, and Sunday 2 pm to 1 am. ...

An important new program in our broadcast schedule is "Classroom," recorded each morning in the lecture room, and broadcast, with editing and format, from 8 to 8:45 in the evening. The professor is equipped with a 2-ounce lavalier microphone... On Monday, Wednesday, and Friday, our listeners can 'attend' American History. Tuesday and Thursday present a survey course in Philosophy. Course sheets and reading lists are available to our listeners... The circulation of our program guide has increased from 500 to 2000 copies in just 3 issues."

Clemson Registers Call: Chosen in a contest (see 57-58-3) the call letters WSBF were registered with the FCC on behalf of the Clemson Student Broadcasting System, Clemson, South Carolina, by I.B.S. Audience is estimated at 3500 students.

Central Bible Institute: The Campus Broadcasting Association at Central Bible Institute, Springfield, Missouri, has been notified of call letter registration on KCBI. KCBI is also a Conditional Member of I.B.S.

Two Conditionals Admitted: McNeese State College, Lake Charles, Louisiana, was admitted to conditional status in I.B.S. on April 25, 1958. Mr. Maurice Pullig, Faculty Advisor, Department of Radio-TV, heads the group. "WWWS" at East Carolina College, Greenville, N.C., was admitted on May 10. Mr. Wendell W. Smiley is listed as advisor.

WHRB Shuts Down 827-Hour Orgy: At 12:05 am, June 4, WHRB at Harvard brought to a close an 826.5 consecutive hour music orgy. During the month of May, the station provided "music to cram by" for students of the fourteen major institutions of higher learning in Boston during their reading and examination periods. Music orgies have been on the WHRB program schedule since about 1944, but only in recent years has the number of consecutive hours approached this year's figure.

During the early part of the orgy schedule, eight-hour orgies of, for instance, all-Beethoven or all-New Orleans jazz are scheduled. After May 19th, this year, classified orgies gave way to "chaos," on which music was played without pre-scheduling, depending heavily on 'phoned-in requests' from students and Boston residents.

WHRB-FM also announced this Spring that it would participate in the Massachusetts Broadcasters Association Emergency Weather Warning System. According to information filed with the F.C.C., the station will, at the discretion of the production manager on duty, rebroadcast weather warnings from CONELRAD key stations WBZ and WHDH. Warnings will be preceded by the standard SONELRAD sequence of interrupted carrier and tone modulation, as prescribed by the CONELRAD Manual for Broadcasters.

WVBR Issues Policy Statement: A recent twenty-page mimeo statement of "WVBR Program Policies" has been issued by the Cornell Radio Build, Inc. It includes the statements that:

In recognition of the fact that broadcasting is a public service, all programs broadcast by Radio Station WVBR are designed and produced to serve the public interest, convenience, and necessity, in full conformance with the Rules and Regulations of the Federal Communications Commission and the standards and practices of the National Association of Broadcasters. ...We will seek to reflect, and thereby strengthen, that peculiar and beneficial culture that is college life, particularly Cornell college life. The Guild...recognizes...it has a responsibility to the public.

(News) Radio is unique in its capacity to reach the largest number of people first with reports on current events. This competitive advantage bespeaks caution - being first is not as important as being right. Constant care shall be exercised in the selection of sources - for the integrity of the news and the consequent good reputation of radio as a dominant news medium depend largely upon the reliability of such sources. ...

The Station reserves the right to express editorial opinions on matter of general interest, realizing that implicit in these efforts to provide leadership in matters of public consequence and to lend proper authority to the station's standing in the community it serves, is an equal obligation to provide opportunity for qualified divergent viewpoints, and that the reputation of the station for honesty and accuracy in editorializing depends upon willingness to expose its convictions to fair rebuttal. ...All programs of editorial comment shall be clearly labeled as such and shall be separate from news programs.

(Religion) Programs in the interest of any faith or which are designed to further religion or religious thought will be scheduled on a sustaining basis only. No religious program may use time to solicit financial support...

Three Stations Granted Variances: In accordance with the new policy of the Board of Directors (supra, page 3), WGTB, Georgetown University, Washington, D.C.; WRUC, Union College, Schenectady; and WRMU, Miami University, Oxford, Ohio, have been granted variances from the Business Code to designate C.R.C. as their national representative.

Printed forms Available: Treasurer Richard Crompton has announced 1958-59 prices for System printed forms. Stations may order the forms at the prices below, which include postage:

B 182B - Local Advertising Contract Form	55¢, pad of 50
B 183 - Broadcast Schedule	\$1 per hundred
B 201B - Affidavit of Performance	\$1.10 per C
B 248 - Local Advertising Order Information Sheet	\$1 per hundred
P 126A - Program Log	\$1 per hundred
P 143 - Combined Operating Schedule and Program Log - less legend (short)	\$1 per C
- with legend (long)	\$1.10 per C

Samples may be found in the IBS handbooks; to find them all, refer to the Sales Handbook and the Traffic Handbook, or to the Sales Handbook and the Program Production Handbook. Order from Intercollegiate Broadcasting System, Richard Crompton, Treasurer, Storrs, Connecticut. The forms may be ordered in multiples of one hundred, except B 182B which is available only in pads of 50.

...radio is unique in its capacity to reach
 vast numbers of people with a single broadcast.
 This distinctive advantage requires that
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8 183A - Broadcast Schedule	\$1.00 per hundred
8 201B - Affidavit of Performance	\$1.10 per hundred
8 201A - Local Advertising Order Form	\$1.00 per hundred
8 201C - Station Sheet	\$1.00 per hundred
9 120A - Program Log	\$1.00 per hundred
9 1A3 - Combined Operating Schedule and	
Program Log - less legend (short)	\$1.00 per hundred
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ENGINEERING

Stereo Broadcasts Spurred: Production of a practicable stereophonic disc recording has spurred broadcasters' interest in stereo sound. For several years, a handful of stations have broadcast regularly stereo tapes and live broadcasts. Now, with public interest aroused and technical problems reduced, observers predict an increased willingness on the part of broadcasters to produce stereo programs.

A number of different systems are used in transmitting stereo sound. Stations such as WCRB-AM-FM, Boston, and WGMS-AM-FM, Washington, transmit one channel on AM and the other on FM. Critics charge that the different characteristics of each channel produce imbalance. WMAQ, Chicago, transmits one channel on AM and the other on FM and TV. WGBH-FM and WBUR, Boston, use FM for both channels, as does KPFB-KPFA, Berkeley, California. WASH (FM), Washington, and WBCN (FM), Boston, transmit a signal combining both left and right channels on their main channel and a difference signal on the first multiplex sub-carrier. (Figure 1.) This last system is completely compatible with monaural listening.

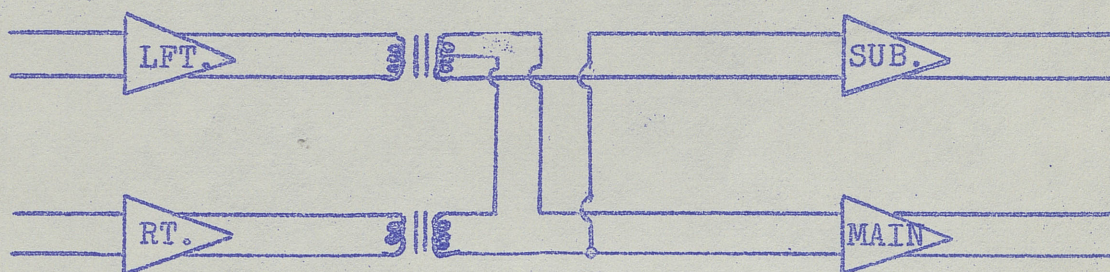


Figure 1.

The most useful published studies on microphone placement appear in the Bell System Technical Journal of about 1930-33, many of which were recently reprinted by Audio magazine.

No reports have reached the I.B.S. Engineering Department of carrier current stations transmitting binaural broadcasts, although WYBC, Yale University, is known to have operating transmitters on 540 and 640 kilocycles, both of which feed through the same r.f. distribution system.

Ivy Cuts Remote Costs: Under a plan originated by WPRB's Remote Engineer Fred Stillman, Ivy Network stations will help each other reduce the cost of sports remotes. The Princeton University plan provides that each Ivy station rent a visitors' loop from the stadium and the gymnasium to the local telephone office during the season. This eliminates the ten dollar installation charge which each station would expect to pay for one-time use. Imbalances in cost are settled at the end of the season.

Next issue: Next month's Engineering section will feature an article by Richard H. Crompton describing the one-chassis FM-receiver-AM-transmitter recently put in use at the University of Connecticut, WHUS.

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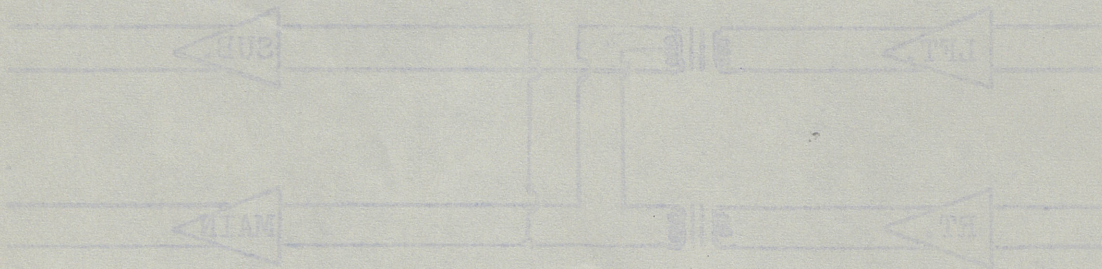


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Ivy Gate Remote Control: Under a plan originated by WPRB's Remote Engineer Fred Sullivan, Ivy Network stations will help each other reduce the cost of sports remotes. The Princeton University plan provides that each Ivy station rent a visit card, loop from the stadium and the gymnasium to the local telephone office during the season. This eliminates the ten dollar installation charge which each station would expect to pay for one-time use. Imbalances in cost are settled at the end of the season.

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ENGINEERING SECTION CONTINUED

Chief Engineer's Table of Tube Equivalents

(Compiled from manufacturers' advertisements)

<u>American</u>	<u>Foreign</u>
5U4	GZ 34
5V4	GZ 32
6AK5	EF 95
6AL5	EB 91
6AQ5	EL 90
6AQ8	ECC 85
6AT6	EBC 90
6AU6	EF 94
6BE6	HK 90
6BW4	EZ 81
6C4	EC 90
6CA7	EL 34
6F6	1621*
6J6	ECC 91
6J7	1620*
6L6	5881, 1622*, KT 66, EL 37
6L7	1612*
6SN7	ECC 33
6V4	EZ 80
6X4	EZ 90
12AT6	HBC 90
12AT7	ECC 81
12AU7	ECC 82
12AV6	HBC 91
12AX7	ECC 83
12BA6	HF 93
12BE6	HK 90
35W4	HY 90
5861	EC 55
5879	Z729
6267	EF 86

*R.C.A. premium number

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Correction: The schematic diagram of the line equalizer appearing on page 9 of #57-58-3, should have shown the 4.7 ohm resistor connected to the wire below it. It is also good practice to patch the output of the equalizer into a 5 db pad to assure isolation. Resonant frequency of the tank may be changed by appropriate adjustment of the capacitor. Equalization loss is, of course, proportional to the highest frequency equalized.

ENGINEERING SECTION CONTINUED

Chief Engineer's Table of Trade Discounts

(Compiled from manufacturers' advertisements)

American	Foreign
242	EX 31
243	EX 32
244	EX 33
245	EX 34
246	EX 35
247	EX 36
248	EX 37
249	EX 38
250	EX 39
251	EX 40
252	EX 41
253	EX 42
254	EX 43
255	EX 44
256	EX 45
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PROGRAMMING

Georgetown Forum: I.B.S. stations are again given the opportunity to carry the weekly Georgetown Forum series. This Forum, now in its thirteenth year, aims at "Clarification, Not Controversy." During the past year, it was host to such distinguished panelists as Senators Karl E. Mundt and Joseph C. O'Mahoney, Professors John Kenneth Galbraith, Lev. E. Dobriansky, James D. Atkinson, et al., who discussed such timely topics as "Ground Rules for the American Economy Unitl 1970," "France Today," and "The Courts and School Desegregation."

Interested member stations should address their requests to Rev. Francis J. Heyden, Georgetown University, Washington 7, D.C. Tapes and press releases will be sent out regularly. Tapes need be returned only monthly.

v Postage Down on Tapes: Under new postal regulations effective August 1, 1958, tape recordings from campus stations may be mailed anywhere in the U.S. for 4¢ a pound. Package should bear label, "Library Materials from XXX University."

Drama from Studio A; The I.B.S. Program Department at Georgetown University has available for scheduling by member-stations nine dramatic performances, known as the "Studio A" Programs. They are:

From My Window	15 minutes
The Story of William Tell	12 minutes
Fires at Vallye Forge	20 minutes
The Killers	23 minutes
The Storm	25 minutes
The Num-Num Case	28 minutes
The Devil and Daniel Webster	30 minutes
The Passion Play (religious)	30 minutes
Jack the Ripper	30 minutes

Stations may elect to return the tapes after use or reimburse I.B.S. at the rate of \$1.46 per 7" reel of first quality tape. Address Rev. Francis J. Heyden, Georgetown University, Washington 7, D.C.

Question of the Week: The I.B.S. Program Department announces with pride a new weekly public affairs series, "Question of the Week." The new 25-minute program series will feature excerpts from the Gaston Lectures at Georgetown University during the coming year. A schedule of speakers will be announced shortly. It is also contemplated that certain other speeches by public figures will be introduced into the series.

For further information, contact Program Manager Heyden.

Glee Club Contest: The I.B.S. Program Department seeks to augment its series of Glee Club performances with tapes from other member stations. The Department is in the process of setting up a contest in which an award will be presented to the Station entering the best recordings. Stations are encouraged to begin planning with their college Glee Club or Chorus their 15-minute program entry.

Prologue--Series 1: I.B.S. stations may request for broadcast programs in the series entitled "Prologue." These half-hour programs, fourteen in number, discuss a theme through the use of an historical parallel and a scriptural reference.

1. "The Dignity and Worth of the Individual;" Stephen Decatur and the Battleship 'Philadelphia'; The Parable of the Good Samaritan.
2. "Freedom of Individual Initiative;" Incidents in the Life of Paul Revere; The Parable of the Vineyard Laborers.
3. "Freedom of Conscience in Religious Matters;" Thomas Jefferson and the Virginia Bill of Rights; Render to Caesar.
4. "Freedom of Expression through the Press;" Andrew Hamilton in the John Peter Zenger Case; Truth and Freedom.
5. "Dignity and Place of Woman in American Life;" Story of Mary Slocum, No. Carolina, 1776; The Valiant Woman.
6. "Right of Trial by Jury;" John Adams and the Boston Massacre participants; Just Judgment.
7. "Individual Duty to Sacrifice for the Common Good;" The Capture and Execution of Nathan Hale; Greater Love Hath No Man...
8. "American Spirit of Generosity to a Fallen Foe;" Washington after the Battle of Trenton; Forgiveness of Enemies.
9. "Freedom of Opportunity;" Benjamin Franklin; Parable of the Talents.
10. "Equal Representation of All;" Patrick Henry, Spokesman of the Common Man; Unity amid Diversity.
11. "Symbol of our Freedoms;" The Flag; Where your treasure is...
12. "Charter of our Liberties;" The Constitutional Convention; The House Divided...
13. "Exemplar of Public Service;" Washington, the Servant, not the Master of the People; The First shall be as the servant.
14. "The Anatomy of Treason;" Benedict Arnold; What Shall It Profit a Man...

Programs may be ordered from the I.B.S. Program Manager on the usual basis; i.e., return tapes when finished or reimburse I.B.S. at the rate of \$1.46 per 7" reel.

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WKCR Petitions F.C.C.: The Trustees of Columbia University have petitioned the F.C.C. to grant WKCR an increase in power to 1400 watts with HAAT of 441 feet.

